

ABSTRACT OF THE DISCLOSURE

In a centrifugal separator, a temperature sensor is provided in contact with a vibration isolation rubber that elastically supports an induction motor to a motor base. A Peltier element for heating/cooling the vibration isolation rubber is provided in contact with the vibration isolation rubber. The temperature sensor and the Peltier element is connected to a controller. Based on a detected temperature input from the temperature sensor, the controller controls heat generation or cooling effected by the Peltier element, thereby maintaining an optimum temperature of the vibration isolation rubber to maintain its damping characteristics.